This Page Is Inserted by IFW Operations and is not a part of the Official Record

BEST AVAILABLE IMAGES

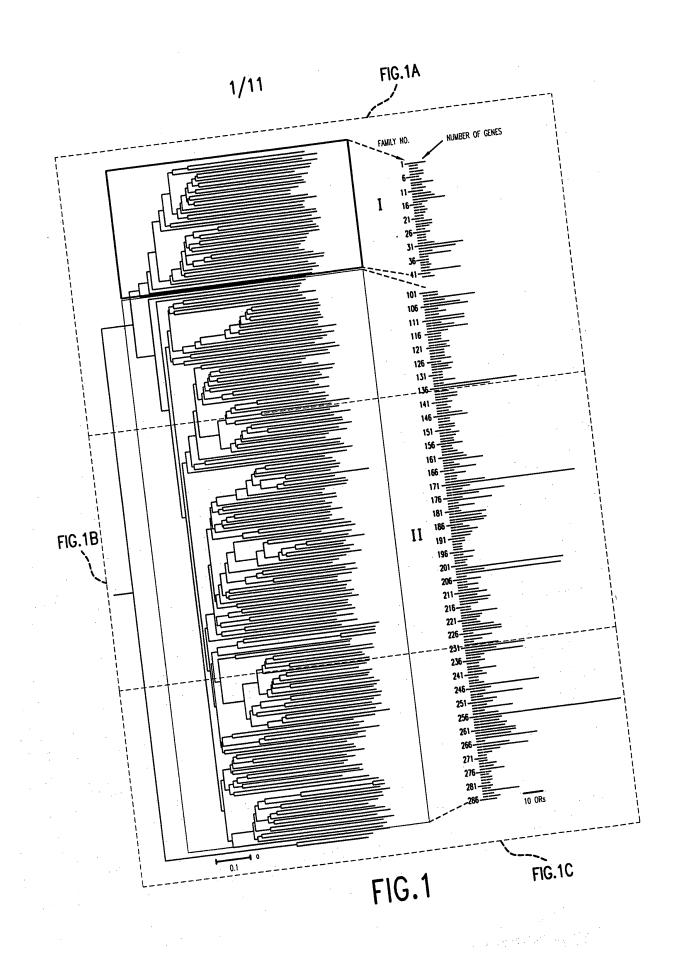
Defective images within this document are accurate representations of the original documents submitted by the applicant.

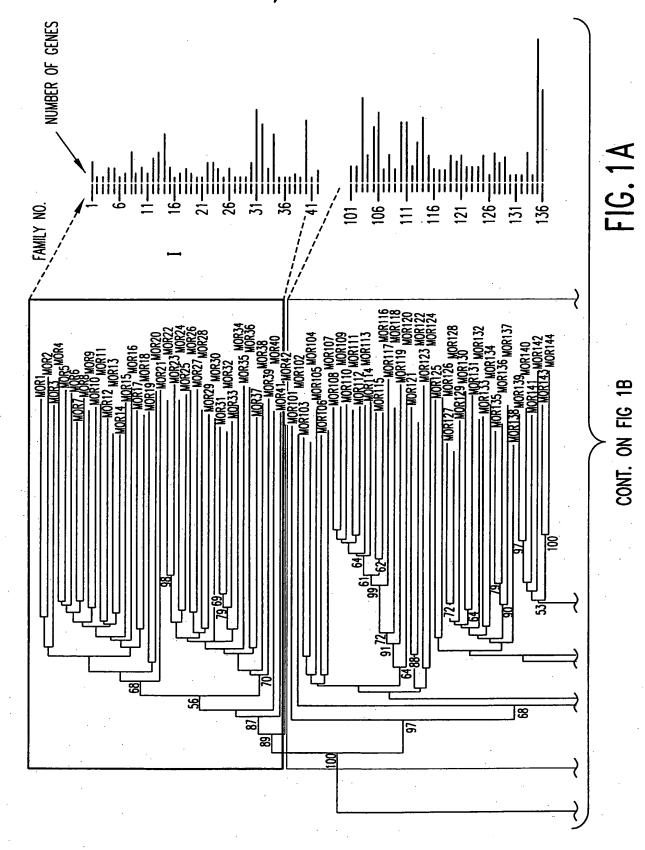
Defects in the images may include (but are not limited to):

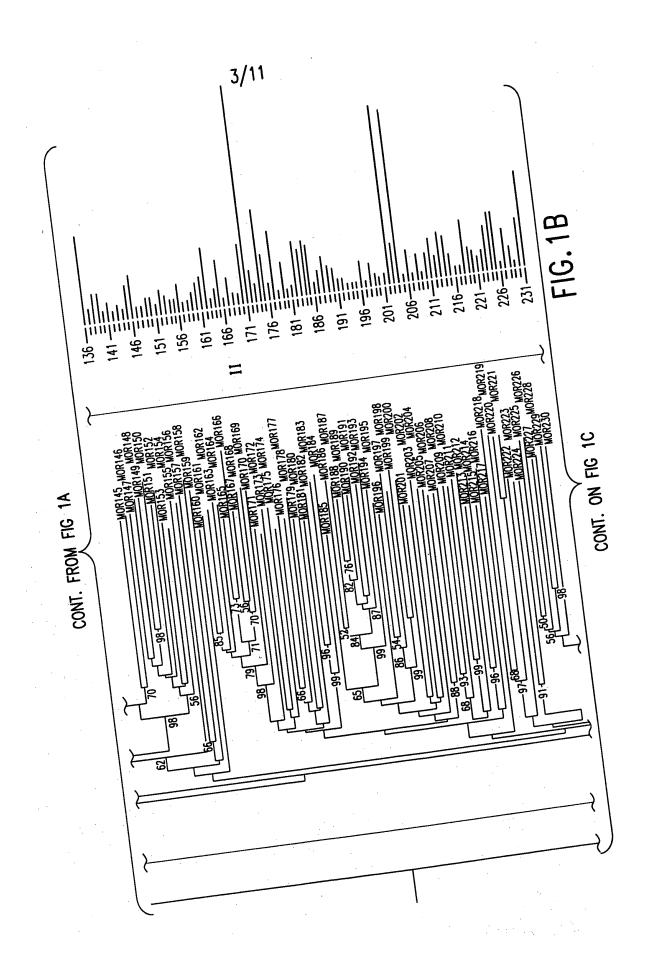
- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

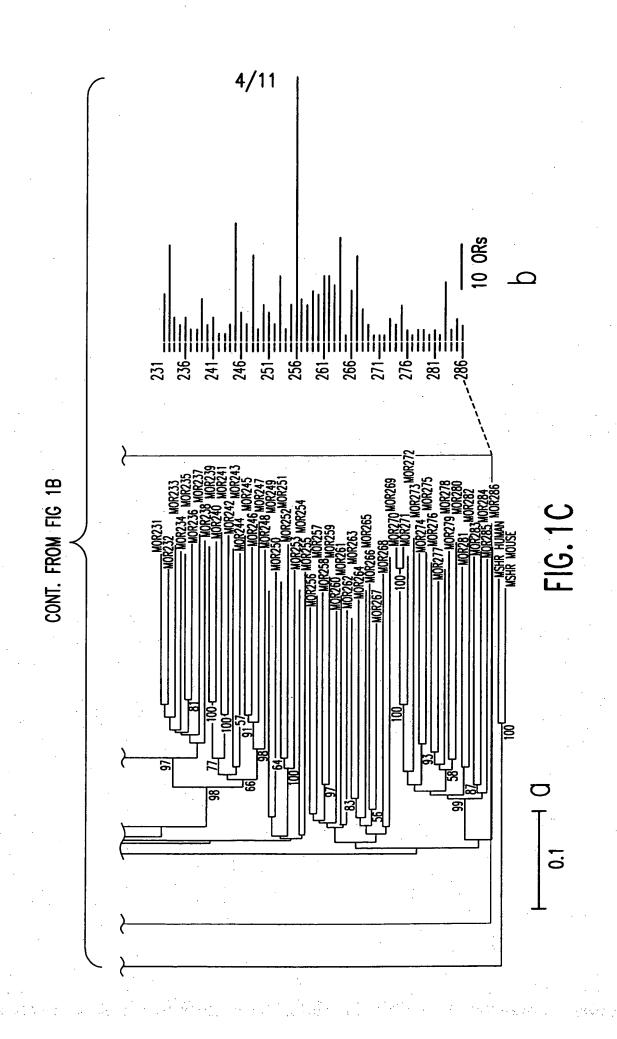
IMAGES ARE BEST AVAILABLE COPY.

As rescanning documents will not correct images, please do not report the images to the Image Problem Mailbox.









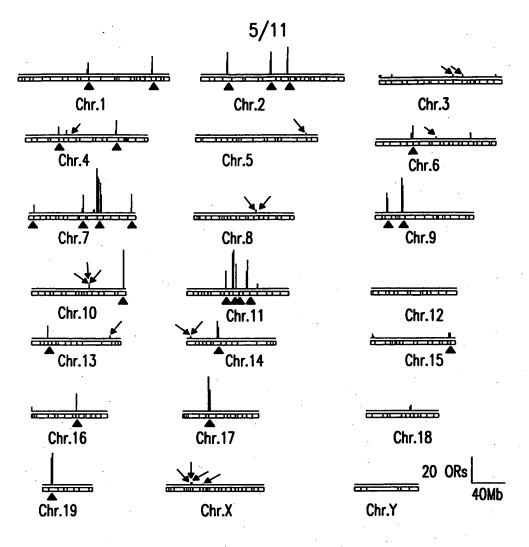


FIG. 2A

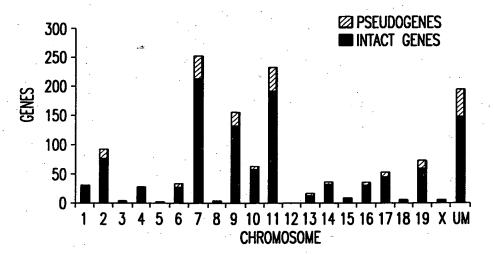
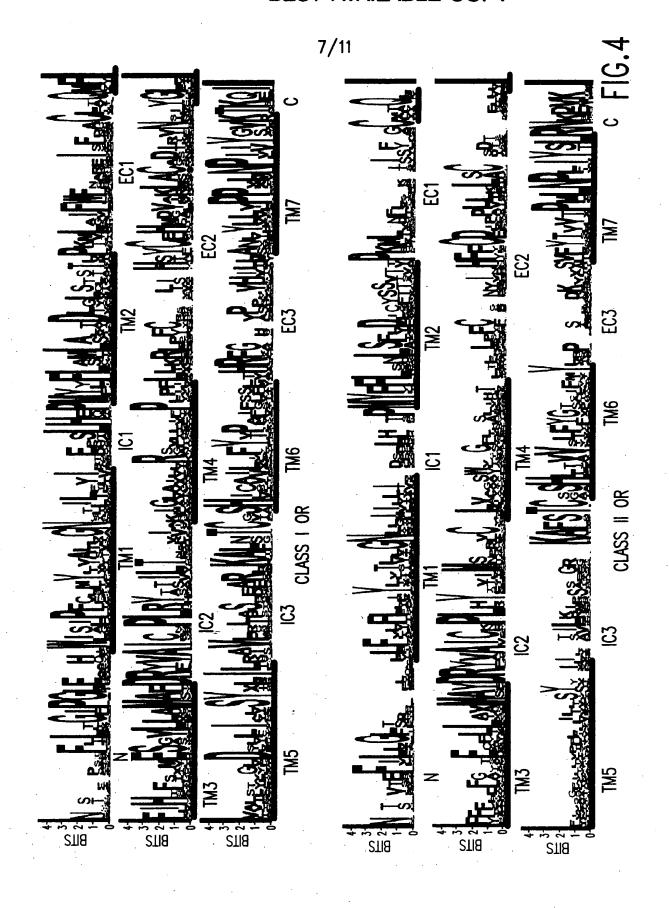


FIG. 2B

	0/11	
CLUSTER	•	LOCI MAPPED ON THE CLUSTER
CLUSTER1-1 (85.24-85.38M) × 8 ORs	o1fr12
CLUSTER1-2	, xxx xxxxxx 21 DRs	o1fr16
(164.73-166.04 CLUSTER2-1	M)	
(32.41-33.37M	→ → → → → → → → → → → → → → → → → → →	o1fr3
CLUSTER2-2	XXXX 22 ORs	o1fr4-1, o1fr4-2, o1fr4-3
(87.68-88.07M CLUSTER2-3 (109.01-110.00)	、 本文字中的文字中的 36 ORs	
CLUSTER4-1 (40.14-40.27M	.´⋙6 ORs	o1fr37, o1fr70, o1fr71,
CLUSTER4-2 (111.96-112.29	282424 14 ORs	
CLUSTER6-1 (41.12-42.69M	×	o1fr38,
CLUSTER7-1 (5.40-5.53M)	× 8 0Rs	o1fr5
CLUSTER7-2 (67.18-67.57M	ARPMAN 16 ORs	o1fr2
CLUSTER7-3 (83.22-89.41M	NONECHARICACACACACACACACACACACACACACACACACACAC	xxx. o1fr6, o1fr17, 208 ORs
CLUSTER7-4 (127.88-128.36)	, ¥™©™ 16 ORs	o1fr64-69
CLUSTER9-1 (11.65-13.15M	> > > > > > > > > > > > > > > > > > >	o1fr18, o1fr39,
CLUSTER9-2 (29.73-32.19M)	эскорафироромироваросимими 113 ORs	o1fr7, o1fr7b,
CLUSTER10-1 (111.50-112.58	. >====== 58 ORs	o1fr9,
CLUSTER11-1 (47.23-47.86M)	×××××××××××××××××××××××××××××××××××××	o1fr10,
CLUSTER11-2	s oldtista octob astiseddis oboso obstance 14 0 OKs	o1fr4,
(54.71-57.46M) CLUSTER11-3		the state of the s
(59.46-60.67M)		
CLUSTER11-4 (74.41-75.45M)		olfr1,
CLUSTER13-1	xx × x 12 ORs	o1fr11,
(16.33-16.95M) CLUSTER14-1		OIII (1 ,
(38.07-40.29M)	★◇▼▼▼★ · · · · · · × ★ · · × 32 ORs	
CLUSTER15-1	> 7 ORs	
(96.89 - 97.18M)		
CLUSTER16-1	>qsqq;acc 26 ORs	
(54.70-55.28M)		
CLUSTER17-1 (29.35-30.65M)	× Single Single South S	•
CLUSTER19-1	≫××××××××××× 71 0Rs	
(8.55-10.54M)	· · · · · · · · · · · · · · · · · · ·	
CLUSTERUM-1 (0.00-0.11M)	7 ORs 7 ORs	
CLUSTERUM-2	жовыскожности 73 ORs	o1fr4?
(0.00-1.45M)		1MD -
•	•	™ FIG.3

BEST AVAILABLE COPY



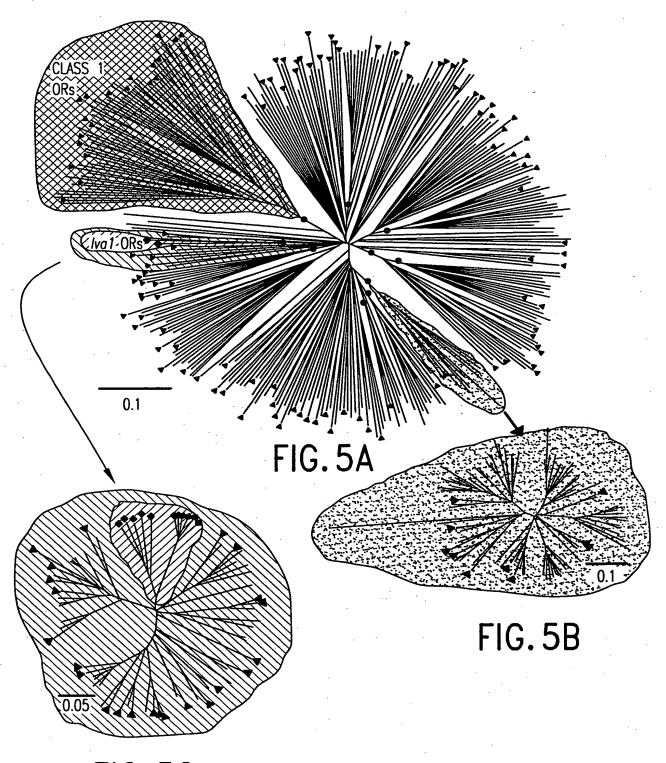
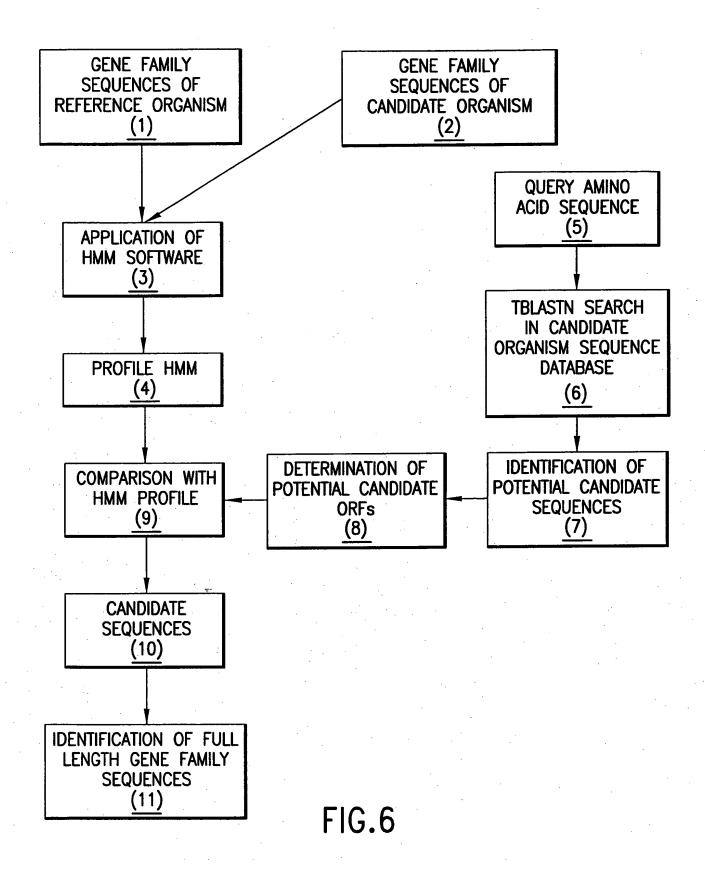


FIG.5C



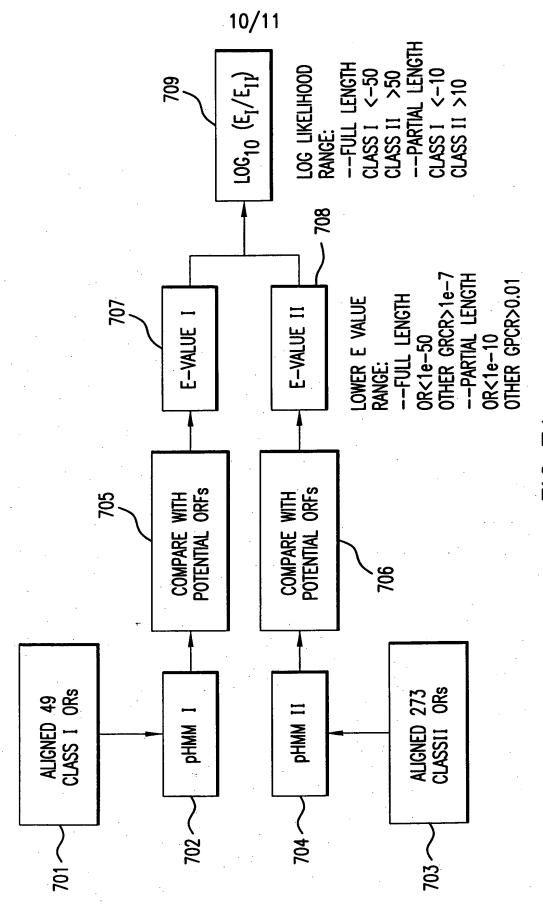


FIG. 7A

